

Title (en)

OPTO-ELECTRONIC LENGTH OR ANGLE MEASUREMENT APPARATUS

Publication

EP 0241642 B1 19910529 (DE)

Application

EP 87100897 A 19870123

Priority

DE 3604215 A 19860211

Abstract (en)

[origin: EP0241642A2] In such a measuring device, the division (T) of a scale (M) is scanned by two scanning units (AE1, AE2), which are spaced apart in the direction of measurement X, having in each case a light source (L1, L2) and in each case one photoelement (P1, P2). The two photoelements (P1, P2) supply two periodic scanning signals (S1, S2) which are additively superimposed on one another in analog form. To keep a predetermined ratio of amounts of the maximum amplitudes of the periodic scanning signals (S1, S2) constant, each light source (L1, L2) is associated with an additional photoelement (ZP1, ZP2) for generating a brightness signal (HS1, HS2) proportional to the brightness of the light source (L1, L2), which are applied to a control unit for controlling the brightnesses of the light sources (L1, L2). <IMAGE>

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